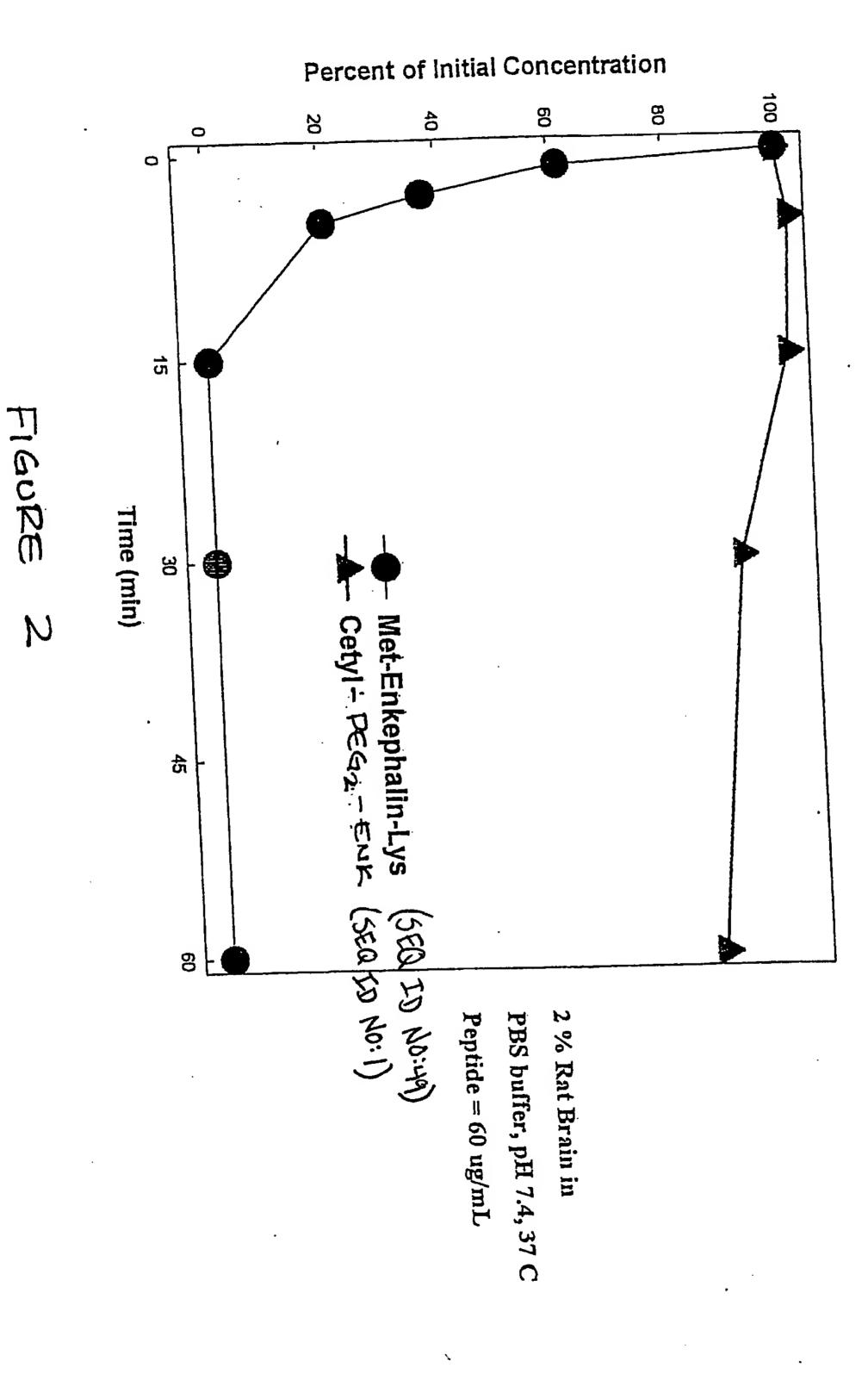
#### Stability of Enkephalin and Cetyl-PE6z-Enke in Rat Brain Homogenate phalin



## Stability of Cetyl- Pet 2 Enkephalin

### in Rat Brain Homogenate

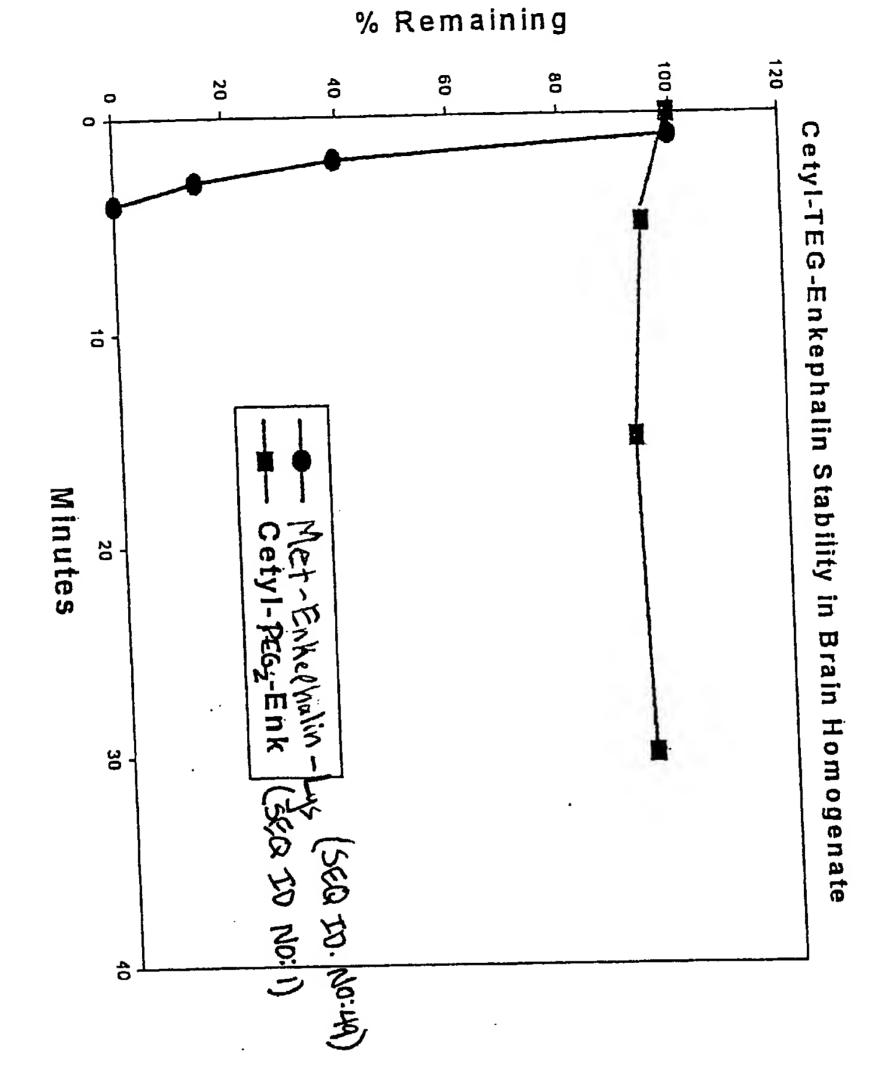
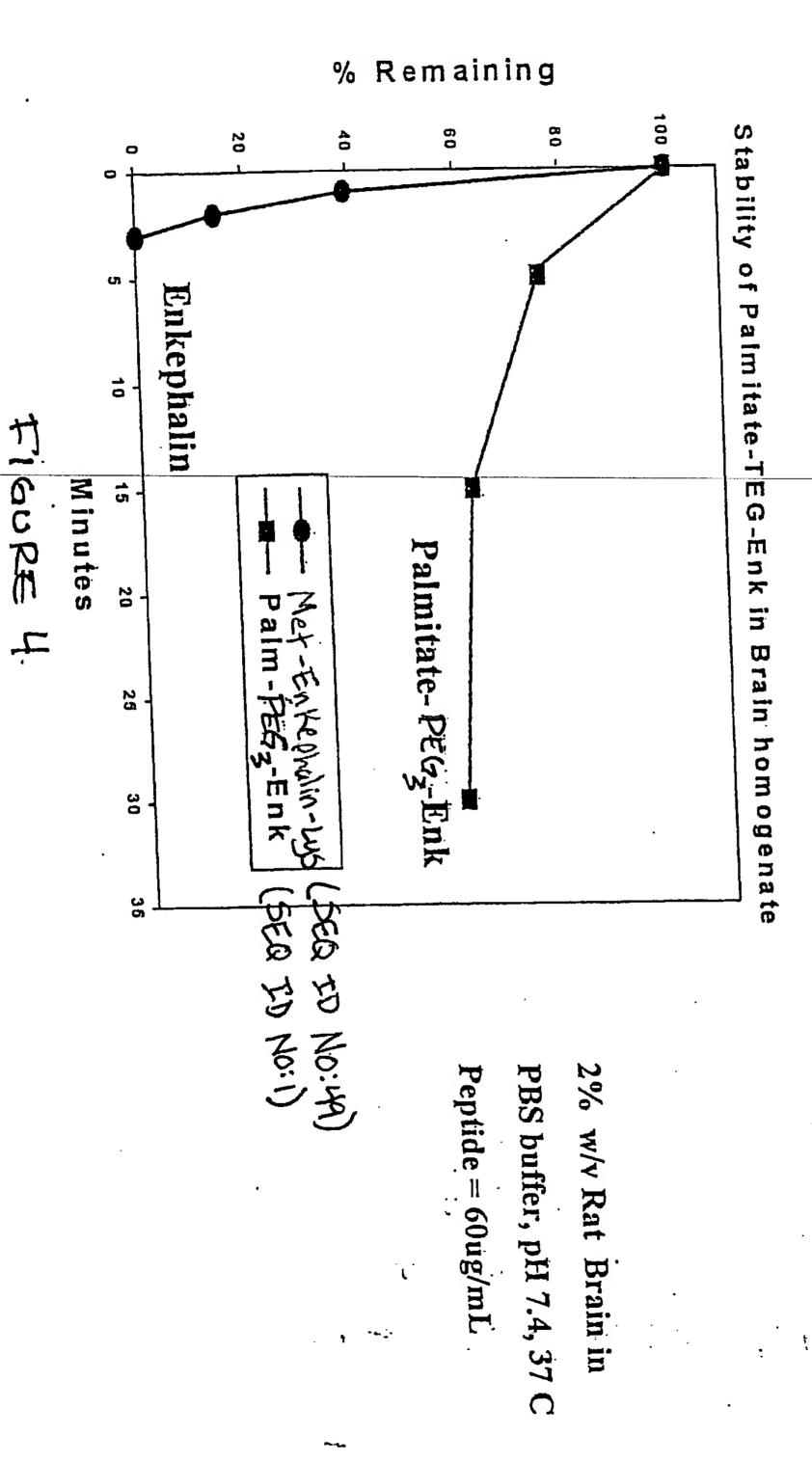


FIGURE 3

2 % w/v Rat brain in PBS buffer, pH 7.4, 37 C Peptide = 60 ug/mL

#### Stability of Palmitate- Februs - Enkephalin in Rat Brain Homogenate



# Isolation of Cetyl-PEG<sub>z</sub>Enkephalin from the Brain

FIGURE SA

FIGURE SB

25 samply

HPLC conditions:

Column: C-18

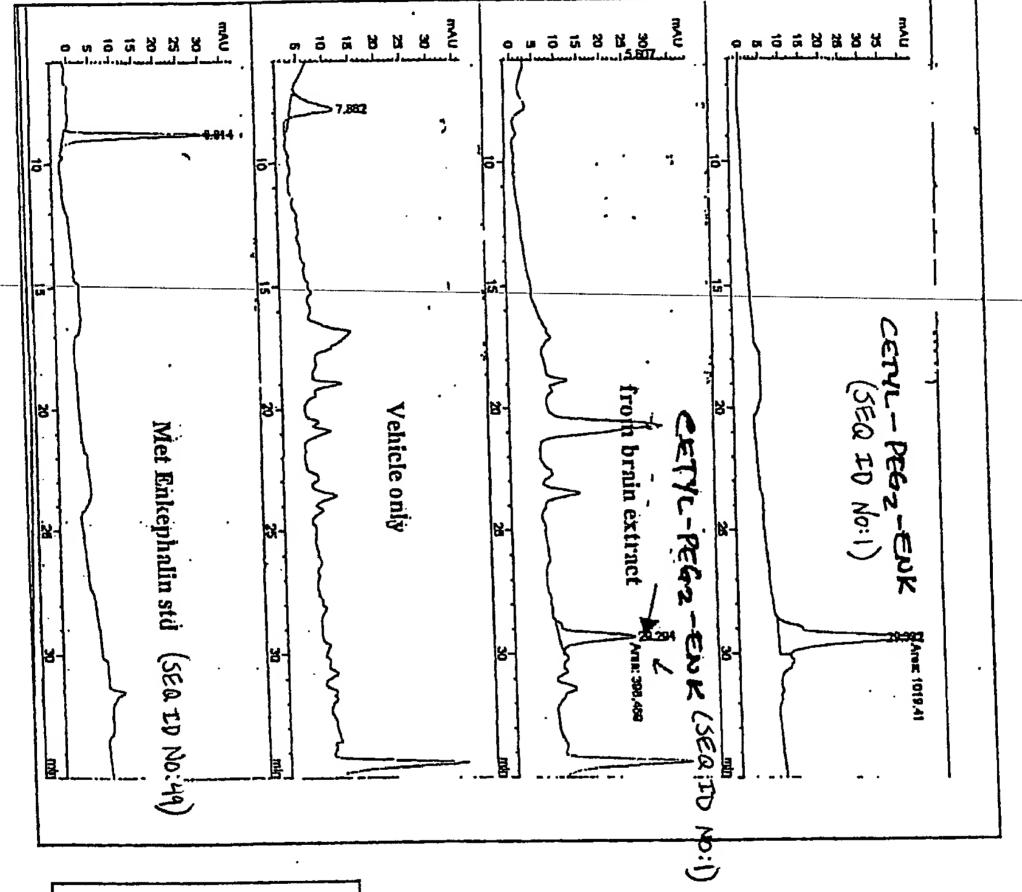
Solvent: solvent A: IPA

solvent B: Water

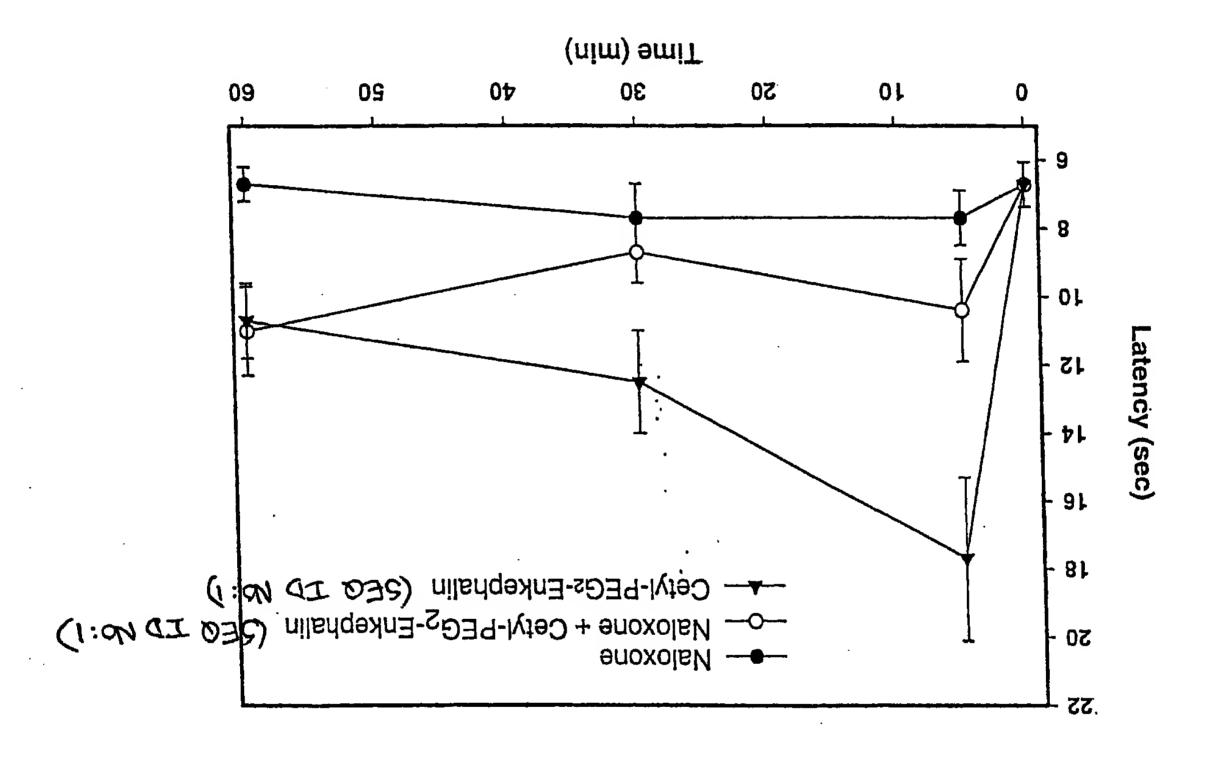
+0.1% TFA

Gradient: linear

45 32001t

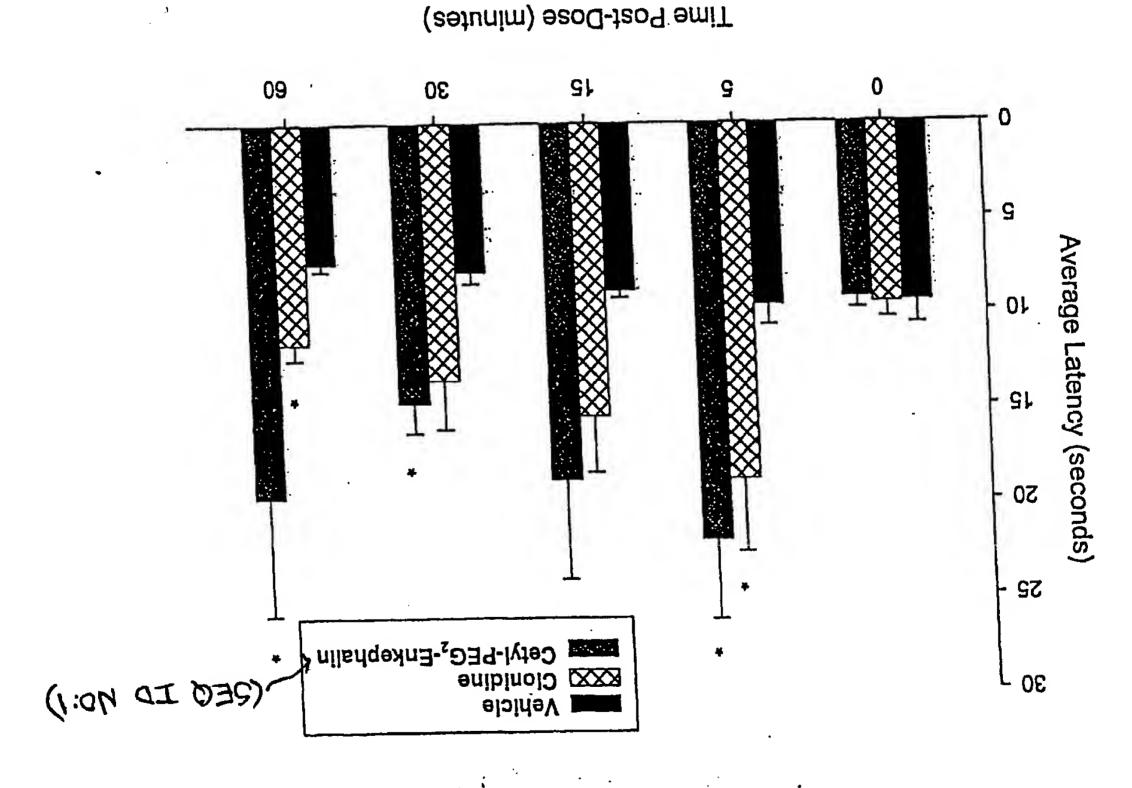


#### Naloxone Antagonism of Cetyl-PEG2-Enkephalin-Induced Analgesia



न्यानाम

Analgesic Effect of a 5 mg/kg IV Dose of Cetyl-PEG<sub>2</sub>-Enkephalin (SEA TD N0:1)



上ヨシロタノ土

| COMPARISON OF µ-RECEPTOR | EPTOR BINDING AFFINITY OF ENKEPHALIN CONJUGATES    | KEPHALIN CONJUGATES |
|--------------------------|--|---------------------|
| SELIC OB CON HIGATE      | DETAILED STRUCTURE                                 | % SPECIFIC BINDING* |
| DRUG OH CONJUGATE        |  | 100                 |
| Naloxone                 | Naloxone   |                     |
|                          | Met-Enkephalin - Lus (SEQ ID No: 4A)               | 9) 67               |
| Enkephalin               |  | 100                 |
| Cetyl-ENK                | Cetyl-PEG2-ENK (SEQ ID No:1)                       |                     |
|                          | Cholesterol-PEG3-ENK (SEQ ID No:1)                 | 95                  |
| Chol-ENK                 |  | 63                  |
| DHA-TINK                 | DHA-PEG2-ENK (SEQ ID No:1)                         |                     |
|                          | DIDITION OF AN AND AND AND AND AND AND AND AND AND | 76                  |
| Palm-ENK                 | Palmitate-PEG3-EIVIN (5E4 FD W. 1)                 |                     |
| Cetyl-TEG-ENK            | Cetyl-PEG3-ENK (SEQ ID No:1)                       |                     |
| רמנץ:                    |  |                     |

<sup>\*</sup>Data are based on percent inhibition at a concentration of 100nM. The radioligand was DAMGO ([D-Ala2,N-Me-Phe-Gly5-ol]enkephalin) and naloxone served as the reference.

FIGURE 8